WEED ABSTRACTS

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WEED ABSTRACTS

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UNDER THE DIRECTION OF J.D. FRYER

The journal is published monthly by the Commonwealth Agricultural Bureaux as one of a series of abstract journals covering the major branches of agricultural science.

The object of *Weed Abstracts* is to provide factual summaries and reports of the world scientific and technical literature on weeds, weed control and allied subjects as a means of enabling readers to keep abreast of current developments and to act as a concise source of reference.

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Abbreviations

abs.	abstract	in	inch	pp.	pages
a.e.	acid equivalent	in^2	square inch	p.p.m.	parts per million
a.i.	active ingredient	IR	infra-red	p.p.m.v.	parts per million by volume
b.p.	boiling point	kcal	kilocalorie		
bu	bushel	kg	kilogramme	p.p.m.w.	parts per million by weight
°C	degrees Celsius (formerly Centigrade)	LC_{50}	median lethal concentration (median tolerance limit or TL_m)	pre-em.	pre-emergence
conc.	concentrated			p.t.o.	power take off
concn.	concentration	LD_{50}	median lethal dose	pt	pint
cv.	cultivar(s)	lb	pound	ref.	references
cwt	hundredweight	lbf/in^2	pounds-force per square inch	RH	relative humidity
d.b.h.	diameter at breast height	M	molar concentration	s	second
diam.	diameter	m	metre	sp.	species
DM	dry matter	m-	milli-(x 10^{-3})	spp.	species (plural)
dz	Doppelzentner (= 100 kg	μ-	micro (x 10^{-6})	ssp.	subspecies
		μm	micron	t	tonne (Mg)
e.c.	emulsifiable concentrate	m^2	square metre	temp.	temperature
		m.c.	moisture content	TLC	thin-layer chromatography
°F	degrees Fahrenheit	mg	milligramme	u.l.v.	ultra low volume
ft	foot	min	minute	UV	ultra-violet
ft^2	square foot	ml	millilitre	var.	*varietas*
g	gramme	mm	millimetre	vol.	volume
gal	gallon	m.p.	melting point	wt	weight
GLC	gas-liquid chromatography	N	normal concentration	w.p.	wettable powder
		n	nano-(x 10^{-9})	yd	yard
h	hour	OM	organic matter	>	more than
ha	hectare	oz	ounce	<	less than
hkg	hectokilogramme	p.	page	±	with or without
hp	horsepower	post-em.	post-emergence	%	percent(age)

Languages

An initial capital denotes the language of the paper, an initial small letter the language of the summary.

Af	Afrikaans	Fi	Finnish	It	Italian	Ru	Russian
Bg	Bulgarian	Nl	Flemish	Ja	Japanese	Sh	Serbo-Croat
Cs	Czech	Fr	French	No	Norwegian	Sk	Slovak
Da	Danish	De	German	Pl	Polish	Es	Spanish
Nl	Dutch	He	Hebrew	Pt	Portuguese	Sv	Swedish
En	English	Hu	Hungarian	Ro	Romanian	Tr	Turkish

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Use of 'a.i.', 'a.e.' etc. Unless otherwise stated, rates of application for growth-regulator herbicides such as 2,4-D, MCPA, fenoprop, dalapon, the benzoics, etc. are given as the acid equivalent. Rates for other herbicides such as the ureas, carbamates, triazines, etc. are given as the active ingredient. Rates for the bipyridyls refer to the cation, only.

List of common names and abbreviations used for herbicides and plant growth regulators in *Weed Abstracts*

An asterisk (*) signifies approval by the British Standards Institution (BSI)
A dagger (†) signifies approval by the Weed Science Society of America (WSSA) or ANSI
A double dagger (‡) signifies approval by the International Organization for Standardization (I.S.O.)
Where the name approved by the WSSA or the I.S.O. differs from that approved by the BSI, the WSSA or I.S.O. name is given in brackets opposite the chemical name, with the appropriate symbol attached.

acetochlor*†	*a*-chloro-*N*-ethoxymethyl-6-ethyl-*o*-acetotoluidide	
acifluorfen*	5-(2-chloro-4-trifluoromethylphenoxy)-2-nitrobenzoic acid	
acrolein	acrylaldehyde	
alachlor*†	*a*-chloro-2,6-diethyl-*N*-(methoxymethyl)acetanilide	
allidochlor*‡	*N*,*N*-diallylchloroacetamide	(CDAA†)
ametryne*	4-ethylamino-6-isopropylamino-2-methylthio-1,3,5-triazine	(ametryn†)
aminotriazole	3-amino-1,2,4-triazole	(amitrole†‡)
amiprofos-methyl*	*O*-methyl *O*-(4-methyl-2-nitrophenyl) *N*-isopropylphosphoramidothionate	
AMS†	ammonium sulphamate	
ancymidol*	*a*-cyclopropyl-4-methoxy-*a*-pyrimidin-5-ylbenzylalcohol	
anisuron*	*N'*-(3,4-dichlorophenyl)-*N'*-(4-methoxybenzoyl)-*N*,*N*-dimethylurea	
asulam*†‡	methyl (4-aminobenzenesulphonyl)carbamate	
atraton *†‡	4-ethylamino-6-isopropylamino-2-methoxy-1,3,5-triazine	
atrazine*†‡	2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine	
aziprotryne*‡	2-azido-4-isopropylamino-6-methylthio-1,3,5-triazine	
barban*†‡	4-chlorobut-2-ynyl *N*-(3-chlorophenyl)carbamate	
benazolin *‡	4-chloro-2-oxobenzothiazolin-3-ylacetic acid	
benfluralin *‡	*N*-butyl-*N*-ethyl-2,6-dinitro-4-trifluoromethylaniline	(benefin†)
bensulide*†‡	*N*-[2-(*O*,*O*-di-isopropyldithiophosphoryl)ethyl] benzene sulphonamide	
bentazone*	3-isopropyl-2,1,3-benzothiadiazin-4-one 2,2-dioxide	(bentazon†)
benthiocarb†	*S*-(4-chlorobenzyl)-*N*,*N*-diethylthiolcarbamate	
benzadox*†	benzamido-oxyacetic acid	
benzoylprop-ethyl*	ethyl *N*-benzoyl-*N*-(3,4-dichlorophenyl)-2-aminopropionate	
benzthiazuron*‡	*N*-(benzothiazol-2-yl)-*N*-methylurea	
bifenox†	methyl 5-(2,4-dichlorphenoxy)-2-nitrobenzoate	
bromacil*†‡	5-bromo-6-methyl-3-(1-methyl-n-propyl) uracil	
bromobonil*	2,6-dibromo-4-cyanophenyl tetrahydrofurfuryl carbonate	
bromofenoxim*‡	3,5-dibromo-4-hydroxybenzaldehyde 2,4-dinitrophenyloxime	
bromoxynil*†‡	3,5-dibromo-4-hydroxybenzonitrile	
brompyrazone*	5-amino-4-bromo-2-phenylpyridazin-3-one	(brompyrazon†)
butachlor*†‡	*N*-(butoxymethyl)-*a*-chloro-2,6-diethylacetanilide	
butam†	*N*-benzyl-*N*-isopropyl-2,2-dimethylpropionamide	
buthidazole*†	4-hydroxy-1-methyl-3-(2-t-butyl-1,3,4-thiadiazol-5-yl)imidazolidin-2-one	
buthiuron*	*N'*-(5-butylsulphonyl-1,3,4-thiadiazol-2-yl)-*N*,*N'*-dimethylurea	
butralin*†	*N*-s-butyl-4-t-butyl-2,6-dinitroaniline	
buturon*†‡	*N'*-(4-chlorophenyl)-*N*-(1-methylprop-2-ynyl)-*N*-methylurea	
butylate*†	*S*-ethyl *N*,*N*-di-isobutyl(thiocarbamate)	
carbasulam*	methyl *N*-(4-[methoxycarbamoyl] benzenesulphonyl)carbamate	
carbetamide*†‡	D-*N*-ethyl-2-(phenylcarbamoyloxy) propionamide	
CDEA†	*N*,*N*-diethylchloroacetamide	
chloramben*†‡	3-amino-2,5-dichlorobenzoic acid	
chloranocryl*‡	*N*-(3,4-dichlorophenyl) methacrylamide	(dicryl†)
chlorazine*†	2-chloro-4,6-bisdiethylamino-1,3,5-triazine	
chlorbromuron*†‡	*N'*-(4-bromo-3-chlorophenyl)-*N*-methoxy-*N*-methylurea	
chlorbufam*‡	1-methylprop-2-ynyl *N*-(3-chlorophenyl)carbamate	
chlordane*†	1,2,4,5,6,7,10,10-octachloro-4,7,8,9-tetrahydro-4,7-methyleneindane	
chloreturon*	*N'*-(3-chloro-4-ethoxyphenyl)-*N*,*N*-dimethylurea	
chlorfenac*‡	2,3,6-trichlorophenylacetic acid	(fenac†)
chlorfenprop-methyl*‡	methyl 2-chloro-3-(4-chlorophenyl)propionate	
chlorflurazole*‡	4,5-dichloro-2-trifluoromethylbenzimidazole	
chlorflurecol*‡	2-chloro-9-hydroxyfluorene-9-carboxylic acid	
chlorfluren*	2-chlorofluorene-9-carboxylic acid	
chloridazon*	5-amino-4-chloro-2-phenylpyridazin-3(2*H*)-one	(pyrazon†)
chlormequat*‡	2-chloroethyl-trimethyl-ammonium chloride	(CCC†)
chlornitrofen*	4-nitrophenyl 2,4,6-trichlorophenyl ether	
chloropon*‡	2,2,3-trichloropropionic acid	
chloroxuron*†‡	*N*-4-(4-chlorophenoxy)phenyl-*N*,*N*-dimethylurea	
chloroxynil*‡	3,5-dichloro-4-hydroxybenzonitrile	
chlorphonium*	tributyl-2,4-dichlorobenzylphosphonium	
chlorprocarb*	3-methoxycarbonylaminophenyl 1-chloromethylpropylcarbamate	
chlorpropham*†‡	isopropyl *N*-(3-chlorophenyl)carbamate	
chlorthal-dimethyl*‡	2,3,5,6-tetrachloroterephthalic acid dimethyl ester	(DCPA†)
chlorthiamid*‡	2,6-dichlorothiobenzamide	
chlortoluron*	*N'*-(3-chloro-4-methylphenyl)-*N*,*N*-dimethylurea	
cisanilide†	2,5-dimethyl-1-pyrrolidine-carboxanilide	
clofop-isobutyl*	isobutyl 2-[4-(4-chlorophenoxy)phenoxy] propionate	
cloprop*	2-(3-chlorophenoxy)propionic acid	
4-CPA*†‡	4-chlorophenoxyacetic acid	
cyanatryn*	4-(1-cyano-1-methylethylamino)-6-ethylamino-2-methylthio-1,3,5-triazine	
cyanazine*†	2-chloro-4-(1-cyano-1-methylethylamino)-6-ethylamino-1,3,5-triazine	
cycloate*†	*N'*-cyclohexyl-*N*-ethyl-*S*-ethyl(thiocarbamate)	
cycluron*†‡	*N'*-cyclo-octyl-*N*,*N*-dimethylurea	
cyperquat*†	1-methyl-4-phenylpyridinium	
cyprazine*†	2-chloro-4-cyclopropylamino-6-isopropylamino-1,3,5-triazine	
cyprazole*†‡	*N*-[5-(2-chloro-1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl] cyclopropanecarboxamide	
cypromid*†‡	3,4-dichlorocyclopropanecarboxanilide	
2,4-D*†‡	2,4-dichlorophenoxyacetic acid	
dalapon*†‡	2,2-dichloropropionic acid	
daminozide*	*N*-dimethylaminosuccinamic acid	
dazomet*†‡	3,4,5,6-tetrahydro-3,5-dimethyl-1,3,5-thiadiazine-2-thione	
2,4-DB*†	4-(2,4-dichlorophenoxy)butyric acid	
DCU†	dichloral urea	

delachlor*†	α-chloro-*N*-(isobutoxymethyl)-2,6-acetoxylidide	
2,4-DEP†	tris-(2,4-dichlorophenoxyethyl)phosphite	(sesone†, disul‡†)
2,4-DES	2-(2,4-dichlorophenoxy)ethyl hydrogen sulphate	
desmedipham*†	3-(ethoxycarbonylamino)phenyl *N*-phenyl-carbamate	(desmetryn†‡)
desmetryne*	4-isopropylamino-6-methylamino-2-methylthio-1,3,5-triazine	(diallate†)
di-allate*‡	*S*-2,3-dichloroallyl *N,N*-di-isopropyl(thiocarbamate)	
dicamba*†‡	3,6-dichloro-2-methoxybenzoic acid	
dichlobenil*†‡	2,6-dichlorobenzonitrile	
dichlone*†‡	2,3-dichloro-1,4-naphthaquinone	
dichlorflurenol*	2,7-dichloro-9-hydroxyfluorene-9-carboxylic acid	
dichlormate*†	3,4-dichlorobenzyl *N*-methylcarbamate	
dichlorprop*†‡	(±) 2-(2,4-dichlorophenoxy)propionic acid	
diclofop-methyl*	methyl 2-[4-(2,4-dichlorophenoxy)phenoxy] propionate	
diethamquat*	1,1′-di(diethylcarbamoylmethyl)-4,4′-bipyridyl-1,1′-diylium	
diethatyl*	*N*-chloroacetyl-*N*-(2,6-diethylphenyl)aminoacetic acid	
difenoxuron*†‡	*N*′-4-(4-methoxyphenoxy)phenyl-*N,N*-dimethylurea	
difenzoquat*†	1,2-dimethyl-3,5-diphenyl-pyrazolium	
dikegulac*	2,3:4,6-di-*O*-isopropylidene-α-L-xylo-2-hexulofuranosonic acid	
dimefuron*	4-[2-chloro-4-(3,3-dimethylureido)phenyl]-2-t-butyl-1,3,4-oxadiazolin-5-one	
dimethachlor*	α-chloro-*N*-(2-methoxyethyl)-2′,6′-acetoxylidide	
dimethametryn*	2-(1,2-dimethylpropylamino)-4-ethylamino-6-methylthio-1,3,5-triazine	
dimidazon*	4,5-dimethoxy-2-phenylpyridazin-3(2*H*)-one	
dimexan*	di(methoxythiocarbonyl)disulphide	(dimexano‡)
dinitramine*†	N^1,N^1-diethyl-2,6-dinitro-4-trifluoromethyl-*m*-phenylenediamine	
dinofenate*	2,4-dinitrophenyl 2,4-dinitro-6-*s*-butylphenyl carbonate	
dinoprop*‡	2-isopropyl-3-methyl-4,6-dinitrophenol	
dinosam*†	2-(1-methyl-n-butyl)-4,6-dinitrophenol	
dinoseb*†‡	2-(1-methylpropyl)-4,6-dinitrophenol	
dinoterb*‡	4,6-dinitro-2-t-butylphenol	
diphenamid*†‡	*N,N*-dimethyl-αα-diphenylacetamide	
diphenatrile†	diphenylacetonitrile	
dipropalin†	2,6-dinitro-*N,N*-dipropyl-4-methylaniline	
dipropetryn*†	2-ethylthio-4,6-di(isopropylamino)-1,3,5-triazine	
diquat*†‡	9,10-dihydro-8a,10a-diazoniaphenanthrene	
diuron*†‡	*N*′-(3,4-dichlorophenyl)-*N,N*-dimethylurea	
DMPA†	*O*-(2,4-dichlorophenyl) *O*′-methyl *N*-isopropyl phosphoramidothioate	
DNOC*†‡	2-methyl-4,6-dinitrophenol	
DSMA†	disodium methylarsonate	
eglinazine*	*N*-(4-chloro-6-ethylamino-1,3,5-triazin-2-yl)aminoacetate	
endothal*	7-oxabicyclo[2,2,1]heptane-2,3-dicarboxylic acid	(endothall†, endothal-sodium[=Na salt‡†])
epronaz*	1-(*N*-ethyl-*N*-propylcarbamoyl)-3-propylsulphonyl-1,2,4-triazole	
EPTC*†‡	*S*-ethyl *N,N*-dipropyl(thiocarbamate)	
erbon†‡	2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate	
etacelasil*	2-chloroethyltri-(2-methoxyethoxy)silane	
ethalfluralin*†	*N*-ethyl-*N*-(2-methylallyl)-2,6-dinitro-4-trifluoromethylaniline	
ethephon†	2-chloroethylphosphonic acid	
ethidimuron*	*N*′-(5-ethylsulphonyl-1,3,4-thiadiazol-2-yl)-*N,N*′-dimethylurea	
ethiolate*†	*S*-ethyl diethylthiocarbamate	
ethofumesate*†	2-ethoxy-2,3-dihydro-3,3-dimethylbenzofuran-5-yl methylsulphonate	
etinofen*‡	2-ethoxymethyl-4,6-dinitrophenol	
EXD†	di(ethoxythiocarbonyl) disulphide	
fenoprop*‡	(±) 2-(2,4,5-trichlorophenoxy)propionic acid	(silvex†)
fenteracol*	2-(2,4,5-trichlorophenoxy)ethanol	
fenuron*†‡	*N,N*-dimethyl-*N*′-phenylurea	
fenuron-TCA†	*N,N*-dimethyl-*N*′-phenyluronium trichloroacetate	
flamprop-isopropyl*	isopropyl (±)-2-(*N*-benzoyl-3-chloro-4-fluoroanilino)propionate	
flamprop-methyl*	methyl (±)-2-(*N*-benzoyl-3-chloro-4-fluoroanilino)propionate	
fluchloralin*†	*N*-(2-chloroethyl)-2,6-dinitro-*N*-propyl-4-(trifluoromethyl)aniline	
flumezin*‡	2-methyl-4-(3-trifluoromethylphenyl)-tetrahydro-1,2,4-oxadiazine-3,5-dione	
fluometuron*†‡	*N*′-(3-trifluoromethylphenyl)-*N,N*-dimethylurea	
fluoridamid*	3-trifluoromethylsulphonamido-*p*-acetotoluidide	
fluorodifen*†‡	4-nitrophenyl 2-nitro-4-trifluoromethylphenyl ether	
fluoronitrofen*	2,4-dichloro-6-fluorophenyl 4-nitrophenyl ether	
fluothiuron*	*N*-(3-chloro-4-chlorodifluoromethylthiophenyl)-*N*′,*N*′-dimethylurea	
flurecol*†	9-hydroxyfluorene-9-carboxylic acid	(flurenol†)
fluridone*	1-methyl-3-phenyl-5-(3-trifluoromethylphenyl)pyridin-4-one	
fluromidine*‡	6-chloro-2-trifluoromethyl-3*H*-imidazo[4,5-*b*]pyridine	
fosamine*	ethyl hydrogen carbamoylphosphonate	
GA	gibberellic acid	
glyphosate*†	*N*-(phosphonomethyl)glycine	
glyphosine*	*N,N*-bis(phosphonomethyl)glycine	
haloxydine*	3,5-dichloro-2,6-difluoro-4-hydroxypyridine	
hexaflurate†	potassium hexafluoroarsenate	
hexazinone*	3-cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4-dione	
holosulf*	(2-chloroethyl)sulphinic acid	
IAA	indolylacetic acid	
IBA	indolylbutyric acid	
iodobonil*	allyl 4-cyano-2,6-di-iodophenyl carbonate	
ioxynil*†‡	4-hydroxy-3,5-di-iodobenzonitrile	
ipazine*†‡	2-chloro-4-diethylamino-6-isopropylamino-1,3,5-triazine	
iprymidam*	2-amino-4-chloro-6-isopropylaminopyrimidine	
isocarbamid*	*N*-isobutylimidazolidin-2-one-1-carboxamide	
isocil*†‡	5-bromo-3-isopropyl-6-methyluracil	
isomethiozin*	4-(isobutylideneamino)-3-methylthio-6-t-butyl-1,2,4-triazin-5-one	
isonoruron*	*N*′-[1 or 2-(hexahydro-4,7-methanoindanyl)]-*N,N*-dimethylurea	
isopropalin*†	4-isopropyl-2,6-dinitro-*N,N*-dipropylaniline	
isoproturon*	*N*′-(4-isopropylphenyl)-*N,N*-dimethylurea	
isopyrimol*	4-chloro-α-isopropyl-α-(pyrimidin-5-yl)benzyl alcohol	
karbutilate*†	*m*-(3,3-dimethylureido)phenyl t-butylcarbamate	
lenacil*†‡	3-cyclohexyl-6,7-dihydro-1*H*-cyclopentapyrimidine-2,4-(3*H*,5*H*)dione	
linuron*†‡	*N*-(3,4-dichlorophenyl)-*N*-methoxy-*N*-methylurea	
MAMA†	monoammonium methylarsonate	
MCPA*†‡	4-chloro-2-methylphenoxyacetic acid	
MCPA-thioethyl*	*S*-ethyl 4-chloro-2-methylphenoxythioacetate	
MCPB*†‡	4-(4-chloro-2-methylphenoxy)butyric acid	
mecoprop*†‡	(±) 2-(4-chloro-2-methylphenoxy)propionic acid	
medinoterb*‡	4,6-dinitro-5-methyl-2-t-butylphenol	

mefluidide*†	5-trifluoromethylsulphonylamino-2,4-acetoxylidide	
mepiquat*	1,1-dimethylpiperidinium ion	
mesoprazine*	2-chloro-4-isopropylamino-6-(3-methoxypropylamino)-1,3,5-triazine	
metamitron*	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4*H*)-one	
metflurazone	4-chloro-5-(dimethylamino)-2-(3-trifluoromethylphenyl)pyridazin-3(2*H*)-one	
methabenzthiazuron*‡	*N*-(benzothiazol-2-yl)-*N,N'*-dimethylurea	
methalpropalin*†	*N*-methylallyl-2,6-dinitro-*N*-propyl-4-trifluoromethylaniline	
metham*†	*N*-methyldithiocarbamic acid	(metam-sodium [=Na salt]‡)
methazole*†‡	2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione	
methiobencarb*	*S*-(4-methoxybenzyl) *N,N*-diethylthiolcarbamate	
methiuron*‡	*N,N*-dimethyl-*N'*-(3-methylphenyl)thiourea	
methometon*‡	2-methoxy-4,6-bis(3-methoxypropylamino)-1,3,5-triazine	
methoprotryne*‡	4-isopropylamino-6-(3-methoxypropylamino)-2-methylthio-1,3,5-triazine	
metobromuron*†‡	*N'*-(4-bromophenyl)-*N*-methoxy-*N*-methylurea	
metolachlor*†	α-chloro-6-ethyl-*N*-(2-methoxy-1-methylethyl)-*o*-acetotoluidide	
metoxuron*‡	*N'*-(3-chloro-4-methoxyphenyl)-*N,N*-dimethylurea	
metribuzin*†	4-amino-6-t-butyl-3-(methylthio)-1,2,4-triazin-5(4*H*)-one	
MH†	1,2,3,6-tetrahydro-3,6-dioxopyridazine	
molinate†	*S*-ethyl *N,N*-hexamethylene(thiocarbamate)	
monalide*‡	*N*-(4-chlorophenyl)-2,2-dimethylvaleramide	
monolinuron*†‡	*N'*-(4-chlorophenyl)-*N*-methoxy-*N*-methylurea	
monuron*†‡	*N'*-(4-chlorophenyl)-*N,N*-dimethylurea	
monuron-TCA†	*N'*-(4-chlorophenyl)-*N,N*-dimethyluronium trichloroacetate	
morfamquat*‡	1,1'-bis(3,5-dimethylmorpholinocarbonylmethyl)-4,4'-bipyridylium	
MSMA†	monosodium methylarsonate	
NAA	1-naphthylacetic acid	
napropamide*†	*N,N*-diethyl-2-(α-naphthoxy)propionamide	
naptalam*†‡	*N*-1-naphthylphthalamic acid	
neburon*†‡	*N*-butyl-*N'*-(3,4-dichlorophenyl)-*N*-methylurea	
nitralin*†	4-(methylsulphonyl)-2,6-dinitro-*N,N*-dipropylaniline	
nitrofen*†‡	2,4-dichlorophenyl 4-nitrophenyl ether	
nitrofluorfen*†	2-chloro-4-trifluoromethylphenyl 4-nitrophenyl ether	
norflurazon*†	4-chloro-5-methylamino-2-(3-trifluoromethylphenyl)pyridazin-3-one	
noruron*‡	*N'*-(hexahydro-4,7-methanoindan-5-yl)-*N,N*-dimethylurea	(norea†)
oryzalin*†	3,5-dinitro-N^4N^4-dipropylsulphanilamide	
oxadiazon*†	3-(2,4-dichloro-5-isopropoxyphenyl)-5-t-butyl-1,3,4-oxadiazolin-2-one	
oxapyrazone*	(2-hydroxyethyl)dimethylammonium (4-bromo-2-phenyl-3-pyridazon-5-yl)oxamate	
oxyfluorfen*†	2-chloro-4-trifluoromethylphenyl 3-ethoxy-4-nitrophenyl ether	
parafluron*	*N,N*-dimethyl-*N'*-(4-trifluoromethylphenyl)urea	
paraquat*†‡	1,1'-dimethyl-4,4'-bipyridylium	
PCP†	pentachlorophenol	
pebulate*†‡	*S*-propyl *N*-butyl-*N*-ethyl(thiocarbamate)	
pendimethalin*†	*N*-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine	
pentanochlor*‡	*N*-(3-chloro-4-methylphenyl)-2-methylpentanamide	(solan†)
perfluidone*†	4'-(phenylsulphonyl) trifluoromethylsulphono-*o*-toluidide	
phenmedipham*†‡	3-(methoxycarbonylamino)phenyl *N*-(3-methylphenyl)carbamate	
phenmedipham-ethyl*	3-ethoxycarbonylaminophenyl *N*-(3'-methylphenyl)carbamate	
phenobenzuron*	*N'*-benzoyl-*N'*-(3,4-dichlorophenyl)-*N,N*-dimethylurea	
picloram*†‡	4-amino-3,5,6-trichloropicolinic acid	
piperophos*	*S*-2-methyl-1-piperidylcarbonylmethyl *O,O*-di-n-propyl phosphorodithioate	
piproctanyl*	1-allyl-1-(3,7-dimethyloctyl)piperidinium ion	
pretilachlor*	α-chloro-2,6-diethyl-*N*-(2-propoxyethyl)acetanilide	
procyazine*†	2-chloro-4-(1-cyano-1-methylethylamino)-6-cyclopropylamino-1,3,5-triazine	
prodiamine*	2,6-dinitro-N^1,N^1-dipropyl-4-trifluoromethyl-*m*-phenylenediamine	
profluralin*†	*N*-(cyclopropylmethyl)-2,6-dinitro-*N*-propyl-4-trifluoromethylaniline	
proglinazine*	*N*-(4-chloro-6-isopropylamino-1,3,5-triazin-2-yl)aminoacetate	
prometon*‡	4,6-bisisopropylamino-2-methoxy-1,3,5-triazine	(prometone†)
prometryne*	4,6-bisisopropylamino-2-methylthio-1,3,5-triazine	(prometryn†‡)
propachlor*†‡	α-chloro-*N*-isopropylacetanilide	
propanil*†‡	*N*-(3,4-dichlorophenyl) propionamide	
propazine*†‡	2-chloro-4,6-bisisopropylamino-1,3,5-triazine	
propham*†‡	isopropyl *N*-phenylcarbamate	
propyzamide*‡	3,5-dichloro-*N*-(1,1-dimethylpropynyl)benzamide	(pronamide†)
prosulfalin*†	*N*-(4-dipropylamino-3,5-dinitrophenylsulphonyl)-*S,S*-dimethylsulphimide	
proxan*	isopropyl xanthic acid	(IPX†, proxan-sodium [=Na salt]‡)
prynachlor*†	2-chloro-*N*-(1-methyl-2-propynyl)acetanilide	
pydanon*	(±)-hexahydro-4-hydroxy-3,6-dioxopyridazin-4-ylacetic acid	
pyrazone (see chloridazon)		
pyriclor†	2,3,5-trichloro-4-pyridinol	
pyridate*	octyl *O*-(6-chloro-3-phenylpyridazin-4-yl)carbonothioate	
quinonamid*	3-chloro-2-dichloroacetamido-1,4-naphthaquinone	
sebuthylazine*	2-chloro-4-ethylamino-6-s-butylamino-1,3,5-triazine	
secbumeton*†	4-ethylamino-2-methoxy-6-s-butylamino-1,3,5-triazine	
siduron*†‡	*N*-(2-methylcyclohexyl)-*N*-phenylurea	
simazine*†‡	2-chloro-4,6-bisethylamino-1,3,5-triazine	
simeton*†	4,6-bisethylamino-2-methoxy-1,3,5-triazine	
simetryne*	4,6-bisethylamino-2-methylthio-1,3,5-triazine	(simetryn†‡)
SMA	sodium monochloroacetate	
sulfallate*‡	2-chloroallyl *N,N*-diethyldithiocarbamate	(CDEC†)
sulglycapin*	*O*-(methylsulphamoyl)glycollic acid hexamethylene imide	
swep†	methyl *N*-(3,4-dichlorophenyl)carbamate	
2,4,5-T*†‡	2,4,5-trichlorophenoxyacetic acid	
2,4,5-TB*‡	4-(2,4,5-trichlorophenoxy)butyric acid	
2,3,6-TBA*†‡	2,3,6-trichlorobenzoic acid	
TCA*†‡	trichloroacetic acid	(sodium trichloroacetate [=Na salt]‡)
tebuthiuron*†	*N,N'*-dimethyl-*N*-(5-t-butyl-1,3,4-thiadiazol-2-yl)urea	
terbacil*†	5-chloro-6-methyl-3-t-butyluracil	
terbucarb*	2,6-di-t-butyl-*p*-tolyl *N*-methylcarbamate	(terbutol†)
terbuchlor*†	*N*-butoxymethyl-α-chloro-6-t-butyl-*o*-acetotoluidide	
terbumeton*	4-ethylamino-2-methoxy-6-t-butylamino-1,3,5-triazine	
terbuthylazine*†	2-chloro-4-ethylamino-6-t-butylamino-1,3,5-triazine	
terbutryne*	4-ethylamino-2-methylthio-6-t-butylamino-1,3,5-triazine	(terbutryn†‡)
2,4,5-TES†	2-(2,4,5-trichlorophenoxy)ethyl hydrogen sulphate	
tetrafluron*†	*N,N*-dimethyl-*N'*-[3-(1,1,2,2-tetrafluoroethoxy)phenyl] urea	
thiazafluron*	1,3-dimethyl-1-(5-trifluoromethyl 1,3,4-thiadazol-2-yl)urea	
thidiazuron*	*N*-phenyl-*N'*-(1,2,3-thiadiazol-5-yl)urea	
thiobencarb*†	*S*-(4-chlorobenzyl) *N,N*-diethylthiolcarbamate	

TIBA	2,3,5-triiodobenzoic acid	
tri-allate*‡	*S*-2,3,3-trichloroallyl *N*,*N*-di-isopropyl(thiocarbamate)	(triallate†)
tricamba*†‡	3,5,6-trichloro-2-methoxybenzoic acid	
triclopyr*†	3,5,6-trichloro-2-pyridyloxyacetic acid	
trietazine*†‡	2-chloro-4-diethylamino-6-ethylamino-1,3,5-triazine	
trifluralin*†‡	2,6-dinitro-*N*,*N*-dipropyl-4-trifluoromethylaniline	
trifop-methyl*	methyl 2-[4-(4-trifluoromethylphenoxy)phenoxy] propionate	
trimeturon*†	*N'*-(4-chlorophenyl)-*O*,*N*,*N*-trimethylisourea	
tripropindan*	6-isopropyl-1,1,4-trimethyl-5-propionylindane	
vernolate*†	*S*-propyl *N*,*N*-dipropyl(thiocarbamate)	

ERRATA

(lines are counted from the beginning of the bibliographic data in each item.)

Volume 17

Page	*Abstract*	*Line*	
247	1467	3	For '(Summer)' read '(Autumn)'

Volume 23 – Species Index

383	Col. 1	2	The reference to '*Anthemis nobilis* (chamomile)' should be to '*Matricaria recutita* (chamomile)'

Volume 24

93	863	3	)
95	882	6	) For '1974' read '1973'
97	892	3	)
208	1872	4	For 'No. 9' read 'No. 10'

Volume 25 – Species Index

454	Col. 3	7	The reference to '*Anthemis nobilis* (chamomile)' should be to '*Matricaria recutita* (chamomile)'

Volume 26

235	2166	4	For '216-222' read '217-222'
253	2327	1	After 'Clay, D.V.' add '; Abernethy, W.'
161	1437	7	For '1209-1291' read '1209-1219'
279	2560	8	For 'amide' read 'imide'

Volume 27

16	260	4	For '12-16' read '12-18'
39	295	2	For '**after burning in the Monte area.**]' read '**after burning in an area of monte scrub.**]'
43	327	7	For '82' read '82-95'
48	388	2	Insert '*Rendus du*' after '*Comptes*'
53	440	1	For 'DALABARRE' read 'DELABARRE'
57	475	19	After 'auxins' insert 'and'
57	478	11	For 'norflurazone' read 'norflurazon'
68	570	18	For '*Entherobacter*' read '*Enterobacter*'
71	596	3	Delete 'acid'
72	603	15	For 'infection' read 'injection'
82	693	3	For '329-334' read '303-309'
95	810	1	For 'Khikmatov' read 'Khikhmatov'
96	818	5	For '24 pp.' read '15 pp.'
117	1003	3	For '303-309' read '329-334'
153	1347	3	For 'in the Ivory Coast' read 'en Côte d'Ivoire'
165	1450	23	Insert '*Phaseolus*' before the word 'beans'
197	1760	17	Insert '6-8 kg' before 'all pre-em.'
214	1946	23	For '*Tripleurospermum* spp. *inodorum*' read '*Tripleurospermum maritimum* ssp. *inodorum*'
429	3997	5	For 'année.' read 'année sèche.'
430	4004	6	Insert 'direct' after 'semis'